

24119 K/10 A14 J01 L03 (A35) FURB 24.07.81
 FURUKAWA BATTERY KK (FURU) *J5 8017-121
 24.07.81-JP-116061 (01.02.83) C08f-08/12 C08j-03/06
 Hydrophilisation of acrylic polymer - by alkali treatment and then
 with water

A(4-F6D, 11-C4D) J(1-C3, 3-B3) L(3-E1A)

555

C83-0235S5 Full Patentees: Furakawa Battery KK;
 Furakawa Electric Co.

A process for hydrophilication of acrylic polymer contain-
 ing more than 30 mol.% of one or both of ester acrylate and
 ester methacrylate, comprises subjecting the polymer to an
 alkali treatment followed by treating with water. The alkali
 treatment is conducted by dipping the polymer film or sheet
 in an alkaline solution in batches or continuously. The
 treating temperature and time are preferably 60-100°C.
 and 5-20 hours. The treatment with water is used to re-
 move the alkali and to promote the hydrophilication.

USE/ADVANTAGES

This process permits easy hydrophilication of materials
 which are inherently not hydrophilic, and makes it possible
 for acrylic polymer to be coated onto a substrate which
 will be used hydrophilically, e.g. a separator for batteries,
 fluid separator etc.(3ppW203).

J58017121

BEST AVAILABLE COPY

8
 115.69